... drain and providing CC Slab

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/10/2019

Lab ID	:	CP-2019-10-26-46
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain and Providing CC Slab at Balaji Scan Center to Park in Bagalagunte Ward no 14.
Agency	:	Sri.Jayanna, #889, 1st Cross, Muneshwara Nagara, Bangalore-73.
Customer's Reference	:	EE/DD/WO/402/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	01/10/2019	09/10/2019	151.69 X 149.50 X 150.39	22679	8.351	413.7	18.2	18.2
2	Drain Side Wall Concrete	M20	01/10/2019	09/10/2019	149.14 X 150.70 X 151.87	22474	8.852	406.1	18.1	
3	Drain Side Wall Concrete	M20	01/10/2019	09/10/2019	151.78 X 150.68 X 150.70	22869	8.031	418.2	18.3	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig. Date

****End of Report****

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : **CP-RW-2019-10-26-46**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore. **Date: 09-10-2019**

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of CC Drain and Providing CC Slab at Balaji Scan Center to Park in Bagalagunte Ward no 14.

Agency : Sri.Jayanna, #889, 1st Cross, Muneshwara Nagara, Bangalore-73.

Customer Reference : EE/DD/WO/402/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-10-2019

Type of Mix : WMM (Wet Mix Macadam)

Date of test : 05-10-2019

Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

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ಬಿ ದಾಸರಹಳ್ಳಿ ಉಪ - ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು

CIVIL Pro Sig. Date. BANGALORE

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TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Date: 09-10-2019

Lab ID	:	**CP-RW-2019-10-26-46**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain and Providing CC Slab at Balaji Scan Center to Park in Bagalagunte Ward no 14.
Agency	:	Sri.Jayanna, #889, 1st Cross, Muneshwara Nagara, Bangalore-73.
Customer Reference	:	EE/DD/WO/402/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-10-2019
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	05-10-2019

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Pecentage	24.6	

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2019-10-26-46** **Date: 09-10-2019**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain and Providing CC Slab at Balaji Scan Center to Park in Bagalagunte Ward no 14.
Agency	:	Sri.Jayanna, #889, 1st Cross, Muneshwara Nagara, Bangalore-73.
Customer Reference	:	EE/DD/WO/402/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-10-2019
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	05-10-2019

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

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